

Inventor: Tomoaki KUBO et al.

Title: METHOD FOR SCREENING GENOMIC DNA

FRAGMENTS

REPLACEMENT SHEET

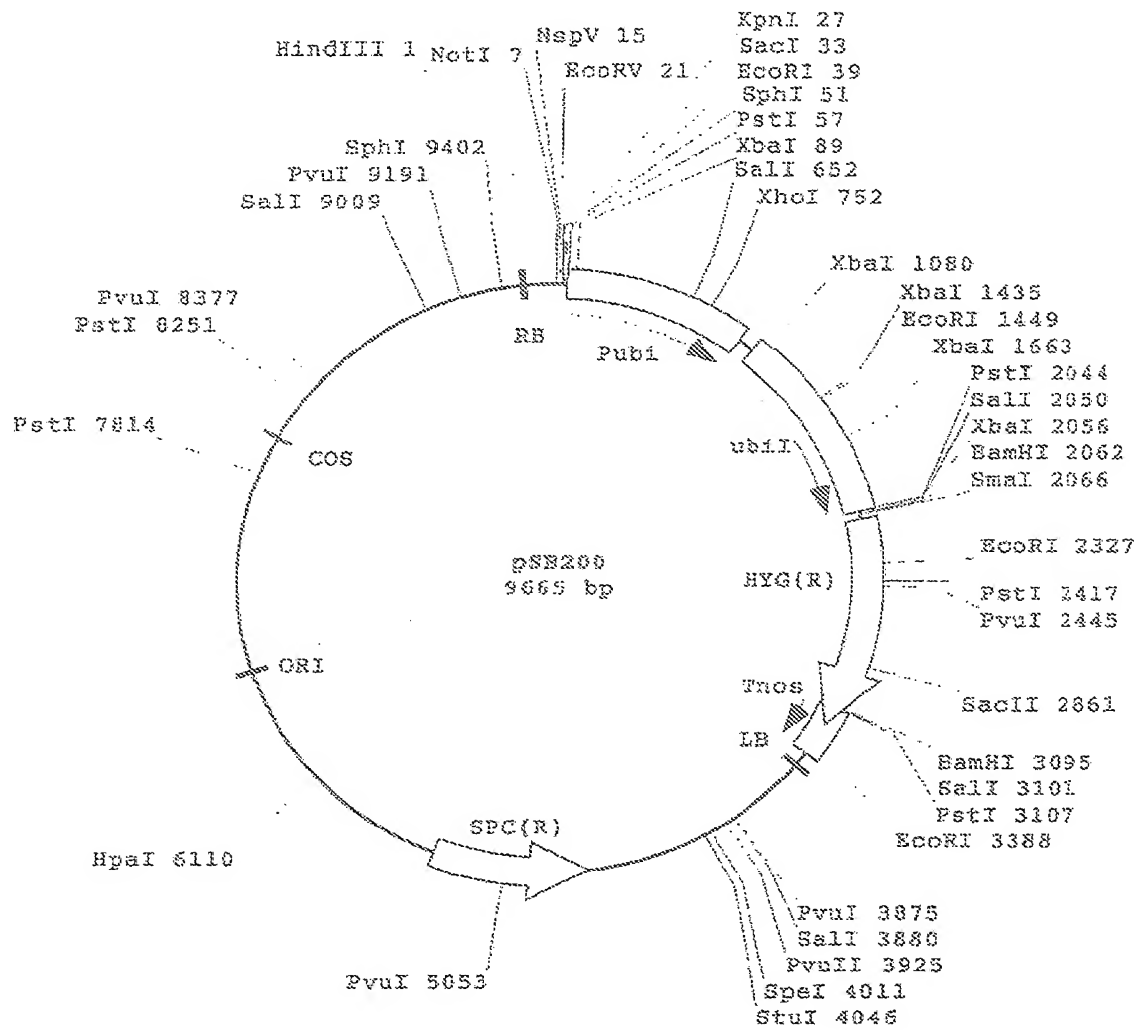


Fig. 1

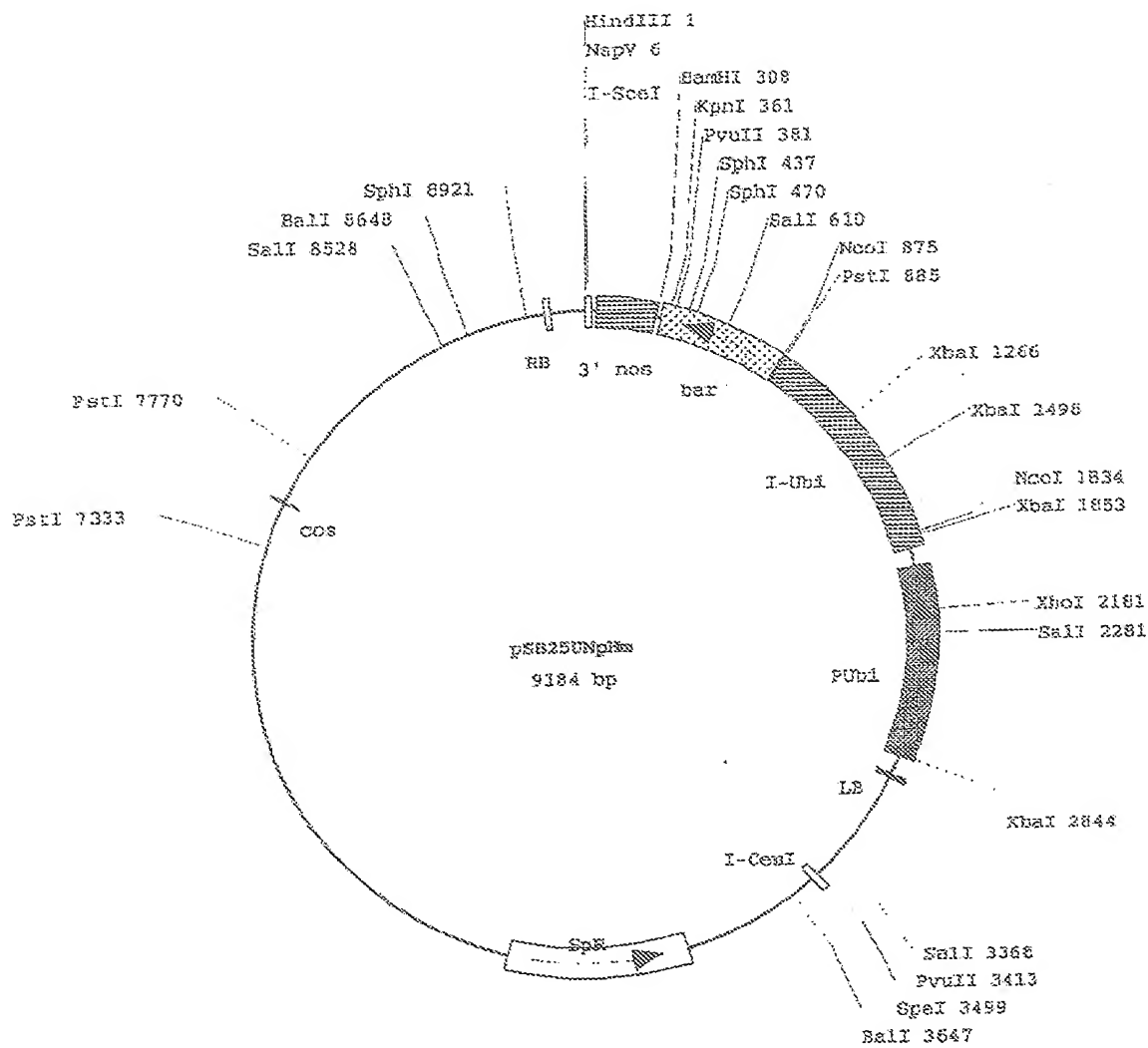
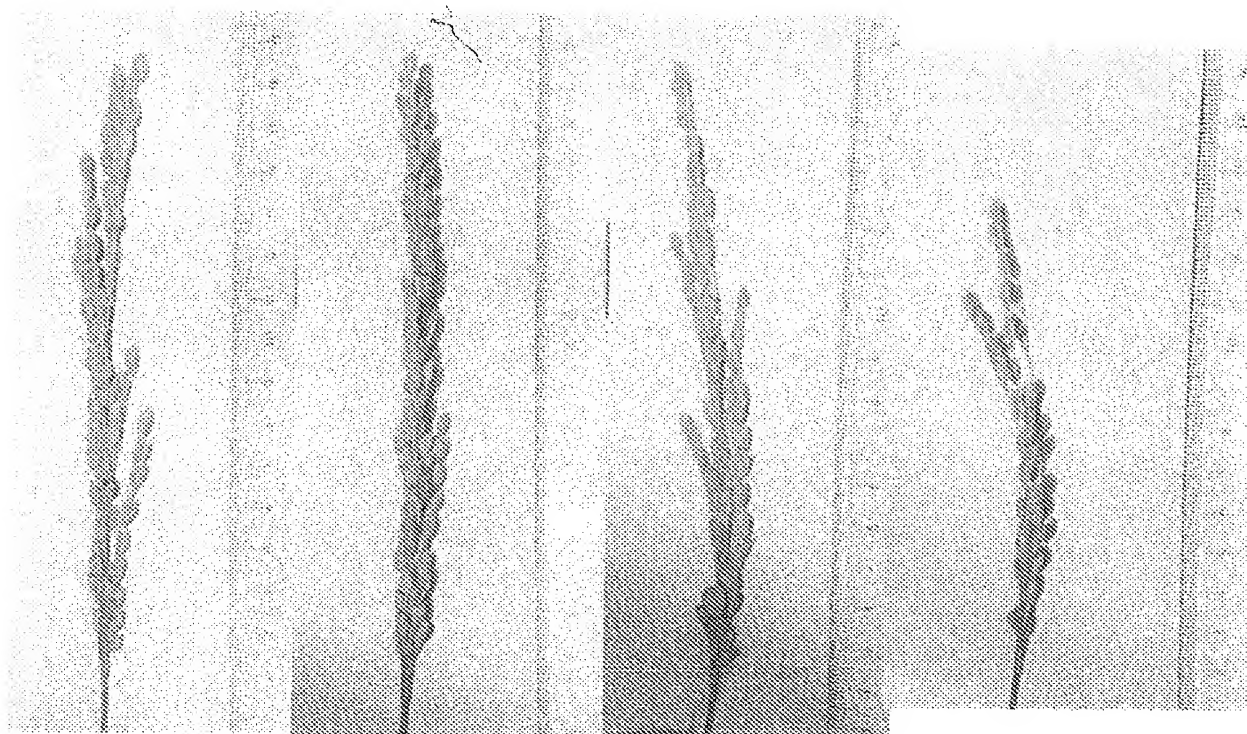


Fig. 2

Fig. 3



Genome
fragment
A083G04
(SEQ ID NO:41
SEQ ID NO:42)
Transgenic plant

Genome
fragment
A088E02
(SEQ ID NO:43
SEQ ID NO:44)
Transgenic plant

Genome
fragment
A089F12
(SEQ ID NO:45
SEQ ID NO:46)
Transgenic plant

Control
plant

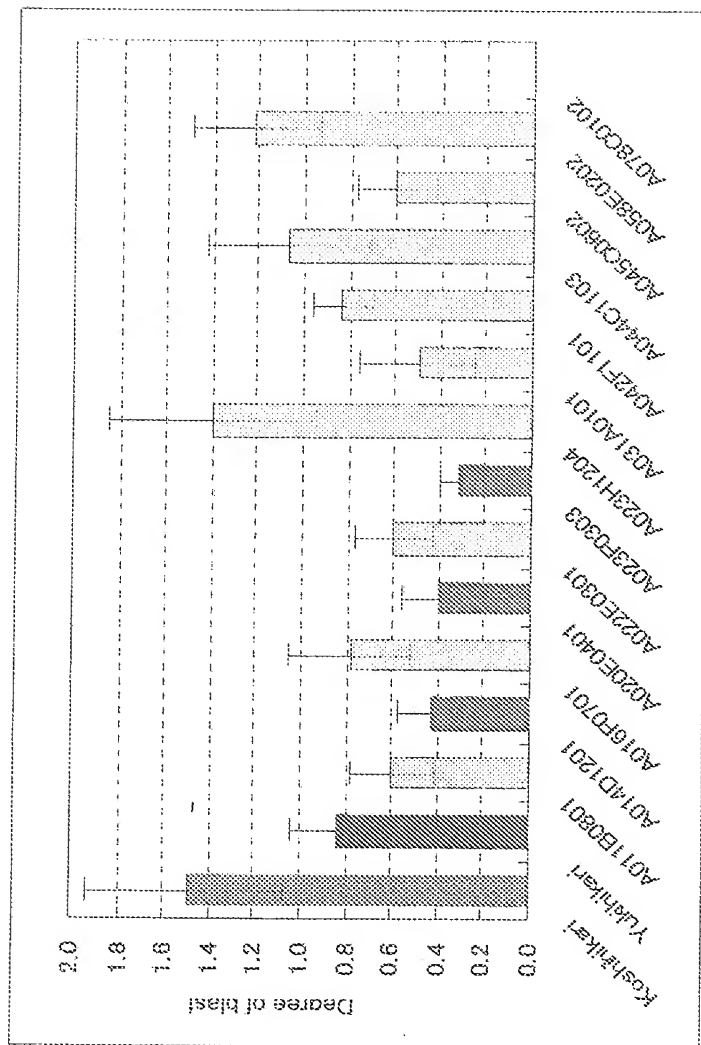


Fig.4: Results of testing of blast resistance

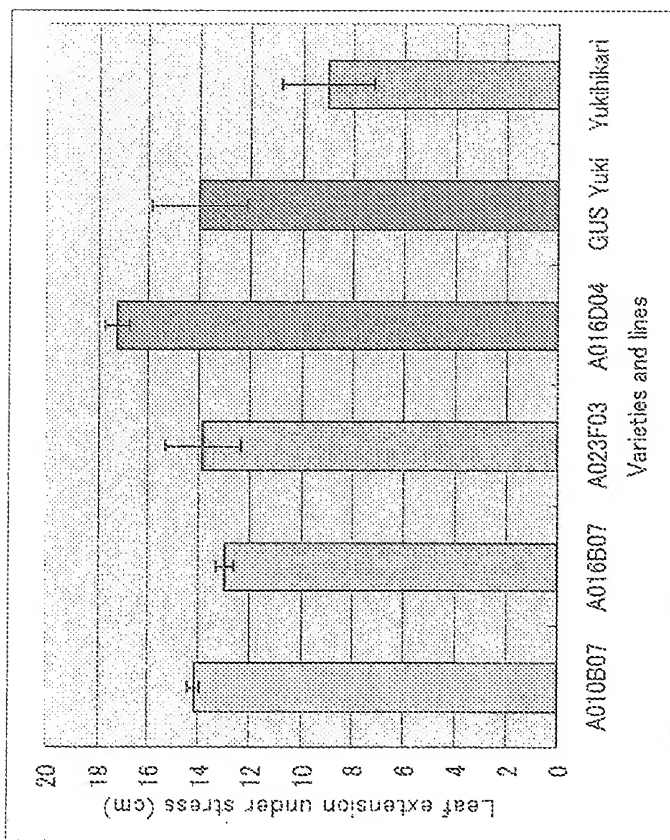


Fig. 5 Extension of leaves of various varieties and lines under stress

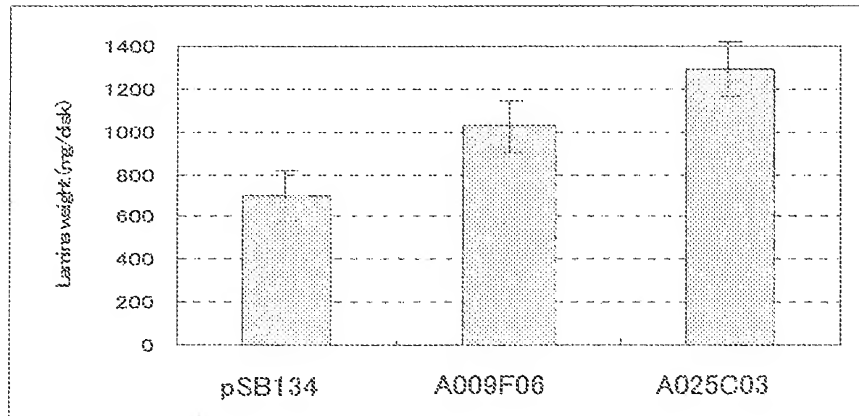


Fig. 6 : Effect of introducing genomic DNA fragments on the growth of tobacco callus

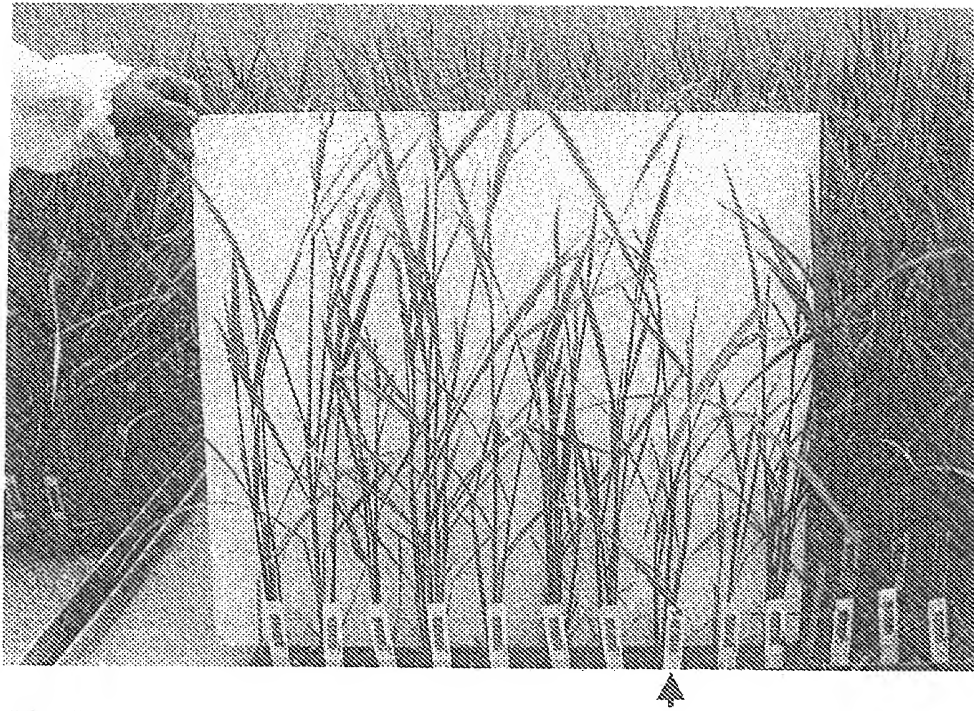


Fig. 7

Growth of rice cultivated after treatment with teosinte genomic DNA fragments; plant bodies at day 45 after transplantation; the arrow indicates the control individual; the introduced genomic fragments are, from left to right:

M044G07, M043C09, M042F06, M043A11, M042H08, M043B10, M044E12,
Control, M042E11, M043A08

Fig. 8

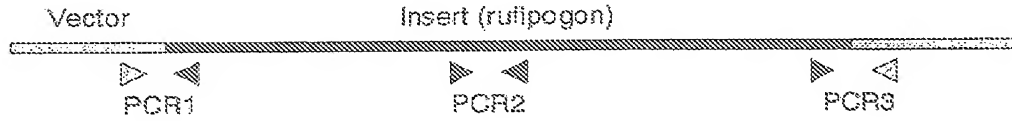
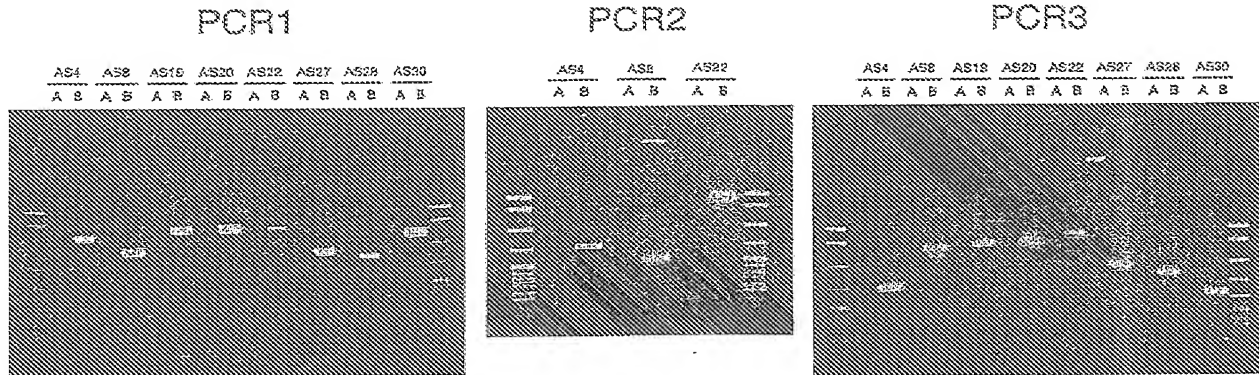


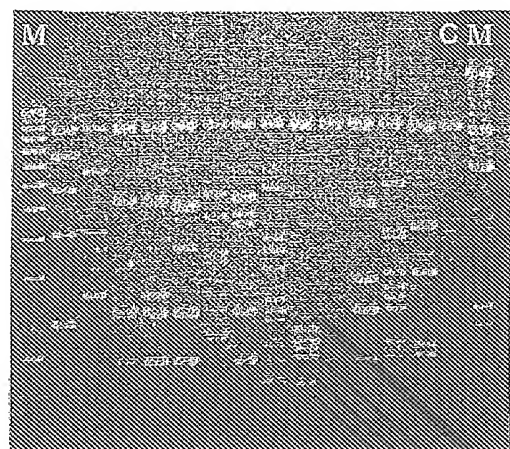
Fig. 9



A: pSB200

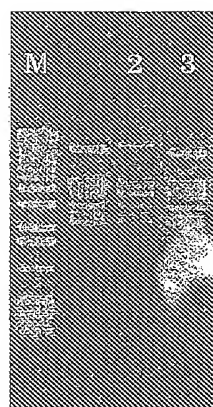
B: 対応する断片をpSB200に挿入したプラスミド

Fig. 10



左から
 第1レーン (M) : 1kb ladder
 第2～14レーン : AS88, 90, 95-102, 104-105
 C : ベクターコントロール
 M2 : λ /HindIII サイズマーカー

Fig. 11



1 : G001A03 (オリジナル)
 2 : G001A03DEST
 3 : G001A03bar
 M : 1kb ladder